

#2. 0590  
05/25 OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/766,378A

DATE: 05/30/2001  
TIME: 12:27:05

Input Set : A:\PTO.txt  
Output Set: C:\CRF3\05302001\I766378A.raw

ENTERED

## SEQUENCE LISTING

C--&gt; 3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: Rhode, Peter R.  
6 Acevedo, Jorge  
7 Burkhardt, Martin  
8 Jiao, Jin-an  
9 Wong, Hing C.

C--> 11 (ii) TITLE OF INVENTION: SOLUBLE MHC COMPLEXES AND  
12 METHODS OF USE THEREOF

14 (iii) NUMBER OF SEQUENCES: 38

16 (iv) CORRESPONDENCE ADDRESS:  
17 (A) ADDRESSEE: Dike, Bronstein, Roberts & Cushman, LLP  
18 (B) STREET: 130 Water Street  
19 (C) CITY: Boston  
20 (D) STATE: MA  
21 (E) COUNTRY: usa  
22 (F) ZIP: 02109

24 (v) COMPUTER READABLE FORM:

25 (A) MEDIUM TYPE: Diskette  
26 (B) COMPUTER: IBM Compatible  
27 (C) OPERATING SYSTEM: DOS  
28 (D) SOFTWARE: FastSEQ for Windows Version 2.0

30 (vi) CURRENT APPLICATION DATA:

C--&gt; 31 (A) APPLICATION NUMBER: US/09/766,378A

C--&gt; 32 (B) FILING DATE: 19-Jan-2001

33 (C) CLASSIFICATION:

35 (vii) PRIOR APPLICATION DATA:

36 (A) APPLICATION NUMBER: 08/960,190  
37 (B) FILING DATE: 29-OCT-1997

39 (viii) ATTORNEY/AGENT INFORMATION:

40 (A) NAME: Corless, Peter F  
41 (B) REGISTRATION NUMBER: 33,860  
42 (C) REFERENCE/DOCKET NUMBER: 48002-DIV

44 (ix) TELECOMMUNICATION INFORMATION:

45 (A) TELEPHONE: 617-523-3400  
46 (B) TELEFAX: 617-523-6440  
47 (C) TELEX:

50 (2) INFORMATION FOR SEQ ID NO: 1:

52 (i) SEQUENCE CHARACTERISTICS:

53 (A) LENGTH: 8 base pairs  
54 (B) TYPE: nucleic acid  
55 (C) STRANDEDNESS: single  
56 (D) TOPOLOGY: linear

58 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

60 CCACCATG

8

62 (2) INFORMATION FOR SEQ ID NO: 2:

64. (i) SEQUENCE CHARACTERISTICS:

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65	(A) LENGTH: 43 base pairs	
66	(B) TYPE: nucleic acid	
67	(C) STRANDEDNESS: single	
68	(D) TOPOLOGY: linear	
71	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:	
73	CCCCCCAAGC TTCCGGGCCA CCATGGCTCT GCAGATCCCC AGC	43
75	(2) INFORMATION FOR SEQ ID NO: 3:	
77	(i) SEQUENCE CHARACTERISTICS:	
78	(A) LENGTH: 34 base pairs	
79	(B) TYPE: nucleic acid	
80	(C) STRANDEDNESS: single	
81	(D) TOPOLOGY: linear	
84	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:	
86	CCCCCCACTT AAGGTCTTG GGCTGCTCAG CACC	34
88	(2) INFORMATION FOR SEQ ID NO: 4:	
90	(i) SEQUENCE CHARACTERISTICS:	
91	(A) LENGTH: 37 base pairs	
92	(B) TYPE: nucleic acid	
93	(C) STRANDEDNESS: single	
94	(D) TOPOLOGY: linear	
97	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:	
99	GGGGGGGCCA TGGCCGGAAA CTCCGAAAGG CATTTCG	37
102	(2) INFORMATION FOR SEQ ID NO: 5:	
104	(i) SEQUENCE CHARACTERISTICS:	
105	(A) LENGTH: 32 base pairs	
106	(B) TYPE: nucleic acid	
107	(C) STRANDEDNESS: single	
108	(D) TOPOLOGY: linear	
110	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:	
112	GCAGCGACTA GTCCACTCCA CAGTGATGGG GC	32
115	(2) INFORMATION FOR SEQ ID NO: 6:	
116	(i) SEQUENCE CHARACTERISTICS:	
117	(A) LENGTH: 36 base pairs	
118	(B) TYPE: nucleic acid	
119	(C) STRANDEDNESS: single	
120	(D) TOPOLOGY: linear	
122	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:	
124	GGGGGGGCCA TGGCCGAAGA CGACATTGAG GCCGAC	36
127	(2) INFORMATION FOR SEQ ID NO: 7:	
129	(i) SEQUENCE CHARACTERISTICS:	
130	(A) LENGTH: 32 base pairs	
131	(B) TYPE: nucleic acid	
132	(C) STRANDEDNESS: single	
133	(D) TOPOLOGY: linear	
135	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:	
137	GCGCGACTAG TCCAGTGTTC CAGAACCGGC TC	32
140	(2) INFORMATION FOR SEQ ID NO: 8:	
142	(i) SEQUENCE CHARACTERISTICS:	
143	(A) LENGTH: 31 base pairs	

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144 (B) TYPE: nucleic acid  
145 (C) STRANDEDNESS: single  
146 (D) TOPOLOGY: linear  
148 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:  
150 GGGGGGGATA TCTCTCAGGC TGTTCACGCT G 31  
153 (2) INFORMATION FOR SEQ ID NO: 9:  
155 (i) SEQUENCE CHARACTERISTICS:  
156 (A) LENGTH: 46 base pairs  
157 (B) TYPE: nucleic acid  
158 (C) STRANDEDNESS: single  
159 (D) TOPOLOGY: linear  
161 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:  
163 GGGGGGTTCG AAAAGTGTAC TTACGGGGGG CTGGAATCTC AGGTTC 46  
172 (2) INFORMATION FOR SEQ ID NO: 10:  
174 (i) SEQUENCE CHARACTERISTICS:  
175 (A) LENGTH: 37 base pairs  
176 (B) TYPE: nucleic acid  
177 (C) STRANDEDNESS: single  
178 (D) TOPOLOGY: linear  
180 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:  
182 GGGGGGCTCG AGTATCAAAG AAGAACATGT GATCATC 37  
185 (2) INFORMATION FOR SEQ ID NO: 11:  
187 (i) SEQUENCE CHARACTERISTICS:  
188 (A) LENGTH: 36 base pairs  
189 (B) TYPE: nucleic acid  
190 (C) STRANDEDNESS: single  
191 (D) TOPOLOGY: linear  
193 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:  
195 GCGGCGGGAT CCGTTCTCTG TAGTCTCTGG GAGAGG 36  
198 (2) INFORMATION FOR SEQ ID NO: 12:  
200 (i) SEQUENCE CHARACTERISTICS:  
201 (A) LENGTH: 42 base pairs  
202 (B) TYPE: nucleic acid  
203 (C) STRANDEDNESS: single  
204 (D) TOPOLOGY: linear  
206 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:  
208 GATAAGAGGA AGAAGAGTAC ATGCCGATGG AACCCGGGTG AG 42  
211 (2) INFORMATION FOR SEQ ID NO: 13:  
213 (i) SEQUENCE CHARACTERISTICS:  
214 (A) LENGTH: 43 base pairs  
215 (B) TYPE: nucleic acid  
216 (C) STRANDEDNESS: single  
217 (D) TOPOLOGY: linear  
219 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:  
221 AATTCTTCAC CCGGGTTCCA TCGGCATGTA CTCTTCTTCC TCG 43  
229 (2) INFORMATION FOR SEQ ID NO: 14:  
231 (i) SEQUENCE CHARACTERISTICS:  
232 (A) LENGTH: 75 base pairs  
233 (B) TYPE: nucleic acid

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234 (C) STRANDEDNESS: single  
235 (D) TOPOLOGY: linear  
237 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:  
239 CCCCCCGCTA GCGGAGGGGG CGGAAGCGGC GGAGGGGGGG ACACCCGACC ACGTTTCCTG 60  
240 TGGCAGCCTA AGAGG 75  
243 (2) INFORMATION FOR SEQ ID NO: 15:  
245 (i) SEQUENCE CHARACTERISTICS:  
246 (A) LENGTH: 48 base pairs  
247 (B) TYPE: nucleic acid  
248 (C) STRANDEDNESS: single  
249 (D) TOPOLOGY: linear  
251 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:  
253 CCCCCCGAAT TCCCCACTAG TCCATTCCAC TGTGAGAGGG CTTGTCAC 48  
256 (2) INFORMATION FOR SEQ ID NO: 16:  
258 (i) SEQUENCE CHARACTERISTICS:  
259 (A) LENGTH: 35 base pairs  
260 (B) TYPE: nucleic acid  
261 (C) STRANDEDNESS: single  
262 (D) TOPOLOGY: linear  
264 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:  
266 GGGGGGGCCA TGGCCTACGA CAGAACCCG TGGTG 35  
269 (2) INFORMATION FOR SEQ ID NO: 17:  
271 (i) SEQUENCE CHARACTERISTICS:  
272 (A) LENGTH: 32 base pairs  
273 (B) TYPE: nucleic acid  
274 (C) STRANDEDNESS: single  
275 (D) TOPOLOGY: linear  
277 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:  
279 GGGGGGACTA GTTCGCCGCT GCACTGTGAA GC 32  
286 (2) INFORMATION FOR SEQ ID NO: 18:  
288 (i) SEQUENCE CHARACTERISTICS:  
289 (A) LENGTH: 33 base pairs  
290 (B) TYPE: nucleic acid  
291 (C) STRANDEDNESS: single  
292 (D) TOPOLOGY: linear  
294 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:  
296 GGGGGGTATG CATACTGACGA GAACCCGTG GTG 33  
299 (2) INFORMATION FOR SEQ ID NO: 19:  
301 (i) SEQUENCE CHARACTERISTICS:  
302 (A) LENGTH: 33 base pairs  
303 (B) TYPE: nucleic acid  
304 (C) STRANDEDNESS: single  
305 (D) TOPOLOGY: linear  
307 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:  
309 GGGGGGACTA GTCCACTTCG AGGAACGTGTT TCC 33  
312 (2) INFORMATION FOR SEQ ID NO: 20:  
314 (i) SEQUENCE CHARACTERISTICS:  
315 (A) LENGTH: 24 base pairs  
316 (B) TYPE: nucleic acid

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317 (C) STRANDEDNESS: single  
318 (D) TOPOLOGY: linear  
320 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:  
322 CCTCCTGGTC TCCTCTGTGA GTGG 24  
325 (2) INFORMATION FOR SEQ ID NO: 21:  
327 (i) SEQUENCE CHARACTERISTICS:  
328 (A) LENGTH: 24 base pairs  
329 (B) TYPE: nucleic acid  
330 (C) STRANDEDNESS: single  
331 (D) TOPOLOGY: linear  
333 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:  
335 CCACTCACAG AGGAGACCAG GAGG 24  
343 (2) INFORMATION FOR SEQ ID NO: 22:  
345 (i) SEQUENCE CHARACTERISTICS:  
346 (A) LENGTH: 30 base pairs  
347 (B) TYPE: nucleic acid  
348 (C) STRANDEDNESS: single  
349 (D) TOPOLOGY: linear  
351 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:  
353 CCCCCCACCG GTTACGACAA GCCCGTGGTG 30  
356 (2) INFORMATION FOR SEQ ID NO: 23:  
358 (i) SEQUENCE CHARACTERISTICS:  
359 (A) LENGTH: 45 base pairs  
360 (B) TYPE: nucleic acid  
361 (C) STRANDEDNESS: single  
362 (D) TOPOLOGY: linear  
364 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 23:  
366 CCCCCCACCG ATAAGTGTAC TTACGTGGGA GAGGGCTTGG AGCAT 45  
369 (2) INFORMATION FOR SEQ ID NO: 24:  
371 (i) SEQUENCE CHARACTERISTICS:  
372 (A) LENGTH: 1508 base pairs  
373 (B) TYPE: nucleic acid  
374 (C) STRANDEDNESS: single  
375 (D) TOPOLOGY: linear  
377 (ix) FEATURE:  
379 (A) NAME/KEY: Coding Sequence  
380 (B) LOCATION: 6...1505  
381 (D) OTHER INFORMATION:  
383 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 24:  
385 CCACC ATG GCT CTG CAG ATC CCC AGC CTC CTC CTC TCA GCT GCT GTG GTG 50  
386 Met Ala Leu Gln Ile Pro Ser Leu Leu Leu Ser Ala Ala Val Val  
387 1 5 10 15  
389 GTG CTG ATG GTG CTG AGC AGC CCA AGG ACC TTA AGT ATC TCT CAG GCT 98  
390 Val Leu Met Val Leu Ser Ser Pro Arg Thr Leu Ser Ile Ser Gln Ala  
391 20 25 30  
393 GTT CAC GCT GCT CAC GCT GAA ATC AAC GAA GCT GGT CGT GCT AGC GGA 146  
394 Val His Ala Ala His Ala Glu Ile Asn Glu Ala Gly Arg Ala Ser Gly  
395 35 40 45  
397 GGG GGC GGA AGC GGC GGA GGG GGA AAC TCC GAA AGG CAT TTC GTG GTC 194

**VERIFICATION SUMMARY**

PATENT APPLICATION: **US/09/766,378A**

DATE: 05/30/2001

TIME: 12:27:06

Input Set : **A:\PTO.txt**

Output Set: **C:\CRF3\05302001\I766378A.raw**

L:3 M:220 C: Keyword misspelled or invalid format, [(1) GENERAL INFORMATION:]  
L:11 M:220 C: Keyword misspelled or invalid format, [(ii) TITLE OF INVENTION:]  
L:31 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:32 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]